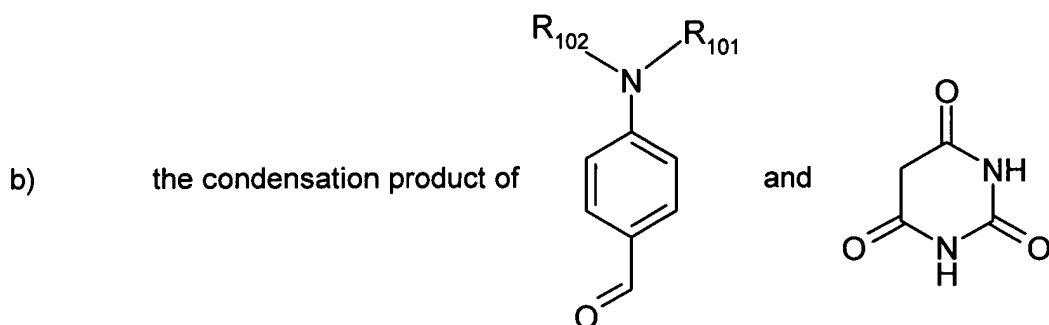


1. (currently amended) A polymer composition for agricultural applications in the form of films for greenhouses and small tunnel covers, films or filaments for shading nets and screens, mulch films, non-wovens or molded articles for the protection of young plants comprising

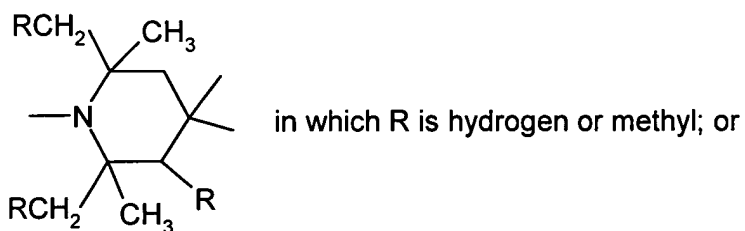
a) a thermoplastic polymer;



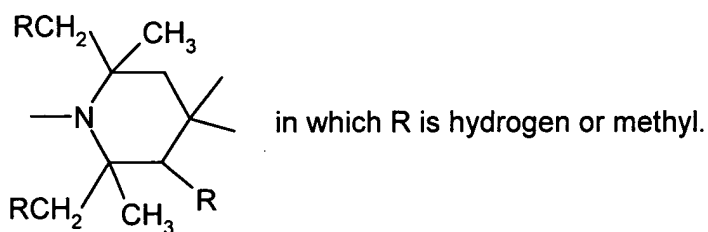
wherein R_{101} and R_{102} are independently hydrogen or C_1 - C_{18} alkyl; and

c1) a UV-absorber; or

c2) a sterically hindered amine[[.]] containing at least one radical of the formula

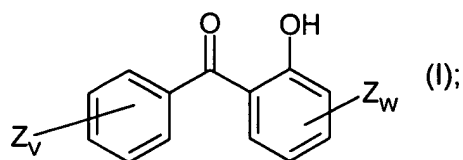


c3) a UV-absorber and a sterically hindered amine[[.]] containing at least one radical of the formula

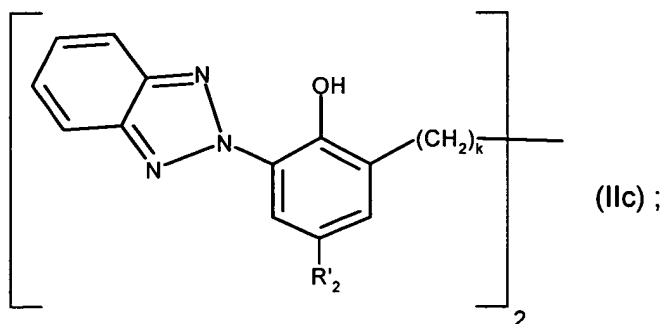
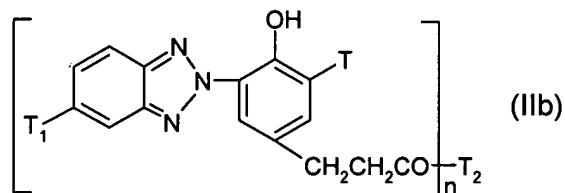
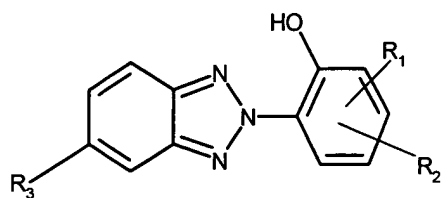


2. (currently amended) A polymer composition according to claim 1 wherein the UV-absorber is selected from the group consisting of benzotriazole UV-absorbers, benzophenone UV-absorbers, hydroxyphenyl-triazine UV-absorbers ~~and~~ oxalic anilide UV-absorbers and mixtures thereof.

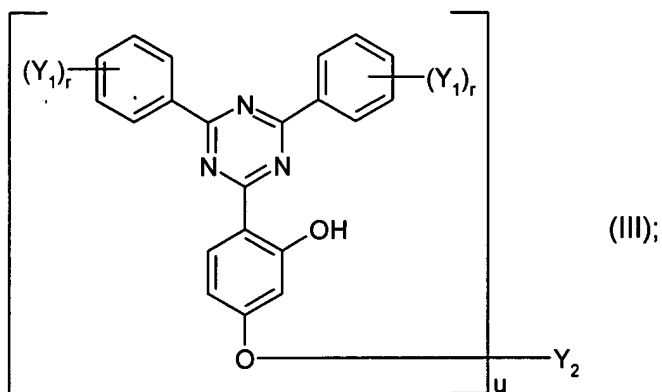
3. (currently amended) A polymer composition according to claim 2 wherein the hydroxybenzophenone is of formula I



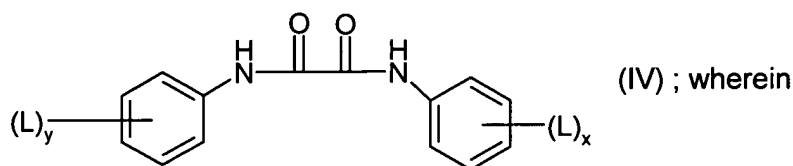
the 2-hydroxyphenylbenzotriazole is of formula IIa, IIb or IIc



the 2-hydroxyphenyltriazine is of formula III



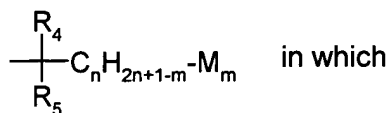
and the oxanilide is of formula (IV)



in the compounds of the formula (I) v is an integer from 1 to 3 and w is 1 or 2 and the substituents Z independently of one another are hydrogen, halogen, hydroxyl or alkoxy having 1 to 12 carbon atoms;

in the compounds of the formula (IIa),

R₁ is hydrogen, alkyl having 1 to 24 carbon atoms, phenylalkyl having 1 to 4 carbon atoms in the alkyl moiety, cycloalkyl having 5 to 8 carbon atoms or a radical of the formula



R₄ and R₅ independently of one another are alkyl having in each case 1 to 5 carbon atoms, or R₄, together with the radical C_nH_{2n+1-m}, forms a cycloalkyl radical having 5 to 12 carbon atoms, m is 1 or 2, n is an integer from 2 to 20 and

M is a radical of the formula -COOR₆ in which

R₆ is hydrogen, alkyl having 1 to 12 carbon atoms, alkoxyalkyl having in each case 1 to 20 carbon atoms in the alkyl moiety and in the alkoxy moiety or phenylalkyl having 1 to 4 carbon atoms in the alkyl moiety,

R₂ is hydrogen, halogen, alkyl having 1 to 18 carbon atoms, and phenylalkyl having 1 to 4 carbon

atoms in the alkyl moiety, and

R_3 is hydrogen, chlorine, alkyl or alkoxy having in each case 1 to 4 carbon atoms or $-\text{COOR}_6$ in which R_6 is as defined above, at least one of the radicals R_1 and R_2 being other than hydrogen;

in the compounds of the formula (IIb)

T is hydrogen or alkyl having 1 to 6 carbon atoms,

T_1 is hydrogen, chlorine or alkyl or alkoxy having in each case 1 to 4 carbon atoms,

n is 1 or 2 and,

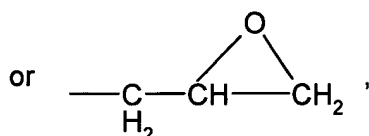
if n is 1,

T_2 is chlorine or a radical of the formula $-\text{OT}_3$ or $\begin{array}{c} \text{---} \text{N} \text{---} \\ \diagup \quad \diagdown \\ \text{T}_4 \quad \text{T}_5 \end{array}$ and,

if n is 2, T_2 is a radical of the formula $\begin{array}{c} \diagup \quad \diagdown \\ \text{N} \text{---} \text{T}_{10} \text{---} \text{N} \diagup \quad \diagdown \\ \text{T}_6 \quad \text{T}_6 \end{array}$ or $-\text{O-T}_9\text{-O-}$;

in which

T_3 is hydrogen, alkyl which has 1 to 18 carbon atoms and is unsubstituted or substituted by 1 to 3 hydroxyl groups or by $-\text{OCOT}_6$, alkyl which has 3 to 18 carbon atoms, is interrupted once or several times by $-\text{O-}$ or $-\text{NT}_6-$ and is unsubstituted or substituted by hydroxyl or $-\text{OCOT}_6$, cycloalkyl which has 5 to 12 carbon atoms and is unsubstituted or substituted by hydroxyl and/or alkyl having 1 to 4 carbon atoms, alkenyl which has 2 to 18 carbon atoms and is unsubstituted or substituted by hydroxyl, phenylalkyl having 1 to 4 carbon atoms in the alkyl moiety, or a radical of the formula $-\text{CH}_2\text{CH}(\text{OH})\text{-T}_7$



T_4 and T_5 independently of one another are hydrogen, alkyl having 1 to 18 carbon atoms, alkyl which has 3 to 18 carbon atoms and is interrupted once or several times by $-\text{O-}$ or $-\text{NT}_6-$, cycloalkyl having 5 to 12 carbon atoms, phenyl, phenyl which is substituted by alkyl having 1 to 4 carbon atoms, alkenyl having 3 to 8 carbon atoms, phenylalkyl having 1 to 4 carbon atoms in the alkyl moiety or hydroxyalkyl having 2 to 4 carbon atoms,

T_6 is hydrogen, alkyl having 1 to 18 carbon atoms, cycloalkyl having 5 to 12 carbon atoms, alkenyl having 3 to 8 carbon atoms, phenyl, phenyl which is substituted by alkyl having 1 to 4 carbon atoms, phenylalkyl having 1 to 4 carbon atoms in the alkyl moiety,

T₇ is hydrogen, alkyl having 1 to 18 carbon atoms, phenyl which is unsubstituted or substituted by hydroxyl, phenylalkyl having 1 to 4 carbon atoms in the alkyl moiety, or -CH₂OT₈,

T₈ is alkyl having 1 to 18 carbon atoms, alkenyl having 3 to 8 carbon atoms, cycloalkyl having 5 to 10 carbon atoms, phenyl, phenyl which is substituted by alkyl having 1 to 4 carbon atoms, or phenylalkyl having 1 to 4 carbon atoms in the alkyl moiety,

T₉ is alkylene having 2 to 8 carbon atoms, alkenylene having 4 to 8 carbon atoms, alkynylene having 4 carbon atoms, cyclohexylene, alkylene which has 2 to 8 carbon atoms and is interrupted once or several times by -O-, or a radical of the formula -CH₂CH(OH)CH₂OT₁₁OCH₂CH(OH)CH₂- or -CH₂-C(CH₂OH)₂-CH₂-,

T₁₀ is alkylene which has 2 to 20 carbon atoms and can be interrupted once or several times by -O-, or cyclohexylene,

T₁₁ is alkylene having 2 to 8 carbon atoms, alkylene which has 2 to 18 carbon atoms and is interrupted once or several times by -O-, 1,3-cyclohexylene, 1,4-cyclohexylene, 1,3-phenylene or 1,4-phenylene, or

T₁₀ and T₆, together with the two nitrogen atoms, are a piperazine ring;

in the compounds of formula (IIc)

R'₂ is C₁-C₁₂alkyl and k is a number from 1 to 4;

in the compounds of the formula (III)

u is 1 or 2 and r is an integer from 1 to 3, the substituents

Y₁ independently of one another are hydrogen, hydroxyl, phenyl or halogen, halogenomethyl, alkyl having 1 to 12 carbon atoms, alkoxy having 1 to 18 carbon atoms, alkoxy having 1 to 18 carbon atoms which is substituted by a group -COO(C₁-C₁₈alkyl);

if u is 1,

Y₂ is alkyl having 1 to 18 carbon atoms, phenyl which is unsubstituted or substituted by hydroxyl, halogen, alkyl or alkoxy having 1 to 18 carbon atoms;

alkyl which has 1 to 12 carbon atoms and is substituted by -COOH, -COOY₈, -CONH₂, -CONHY₉, -CONY₉Y₁₀, -NH₂, -NHY₉, -NY₉Y₁₀, -NHCOY₁₁, -CN and/or -OCOY₁₁;

alkyl which has 4 to 20 carbon atoms, is interrupted by one or more oxygen atoms and is unsubstituted or substituted by hydroxyl or alkoxy having 1 to 12 carbon atoms, alkenyl having 3 to 6 carbon atoms, glycidyl, cyclohexyl which is unsubstituted or substituted by hydroxyl, alkyl having 1 to 4 carbon atoms and/or -OCOY₁₁, phenylalkyl which has 1 to 5 carbon atoms in the alkyl moiety and is unsubstituted or substituted by hydroxyl, chlorine and/or methyl, -COY₁₂ or -SO₂Y₁₃, or,

if u is 2,

Y_2 is alkylene having 2 to 16 carbon atoms, alkenylene having 4 to 12 carbon atoms, xylylene, alkylene which has 3 to 20 carbon atoms, is interrupted by one or more -O- atoms and/or is substituted by hydroxyl, $-\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{-O-}Y_{15}\text{-OCH}_2\text{CH}(\text{OH})\text{CH}_2\text{-}$, $-\text{CO-}Y_{16}\text{-CO-}$,

$-\text{CO-NH-}Y_{17}\text{-NH-CO-}$ or $-(\text{CH}_2)_m\text{-CO}_2\text{-}Y_{18}\text{-OCO-}(\text{CH}_2)_m\text{-}$, in which

m is 1, 2 or 3,

Y_8 is alkyl having 1 to 18 carbon atoms, alkenyl having 3 to 18 carbon atoms, alkyl which has 3 to 20 carbon atoms, is interrupted by one or more oxygen or sulfur atoms or $-\text{NT}_6\text{-}$ and/or is substituted by hydroxyl, alkyl which has 1 to 4 carbon atoms and is substituted by $-\text{P}(\text{O})(\text{O}Y_{14})_2\text{-}$, $-\text{NY}_9\text{Y}_{10}$ or $-\text{OCOO}Y_{11}$ and/or hydroxyl, alkenyl having 3 to 18 carbon atoms, glycidyl, or phenylalkyl having 1 to 5 carbon atoms in the alkyl moiety,

Y_9 and Y_{10} independently of one another are alkyl having 1 to 12 carbon atoms, alkoxyalkyl having 3 to 12 carbon atoms, dialkylaminoalkyl having 4 to 16 carbon atoms or cyclohexyl having 5 to 12 carbon atoms, or Y_9 and Y_{10} together are alkylene, oxaalkylene or azaalkylene having in each case 3 to 9 carbon atoms,

Y_{11} is alkyl having 1 to 18 carbon atoms, alkenyl having 2 to 18 carbon atoms or phenyl,

Y_{12} is alkyl having 1 to 18 carbon atoms, alkenyl having 2 to 18 carbon atoms, phenyl, alkoxy having 1 to 12 carbon atoms, phenoxy, alkylamino having 1 to 12 carbon atoms or phenylamino,

Y_{13} is alkyl having 1 to 18 carbon atoms, phenyl or alkylphenyl having 1 to 8 carbon atoms in the alkyl radical,

Y_{14} is alkyl having 1 to 12 carbon atoms or phenyl,

Y_{15} is alkylene having 2 to 10 carbon atoms, phenylene or a group $-\text{phenylene-M-phenylene-}$ in which M is $-\text{O-}$, $-\text{S-}$, $-\text{SO}_2\text{-}$, $-\text{CH}_2\text{-}$ or $-\text{C}(\text{CH}_3)_2\text{-}$,

Y_{16} is alkylene, oxaalkylene or thiaalkylene having in each case 2 to 10 carbon atoms, phenylene or alkenylene having 2 to 6 carbon atoms,

Y_{17} is alkylene having 2 to 10 carbon atoms, phenylene or alkylphenylene having 1 to 11 carbon atoms in the alkyl moiety, and

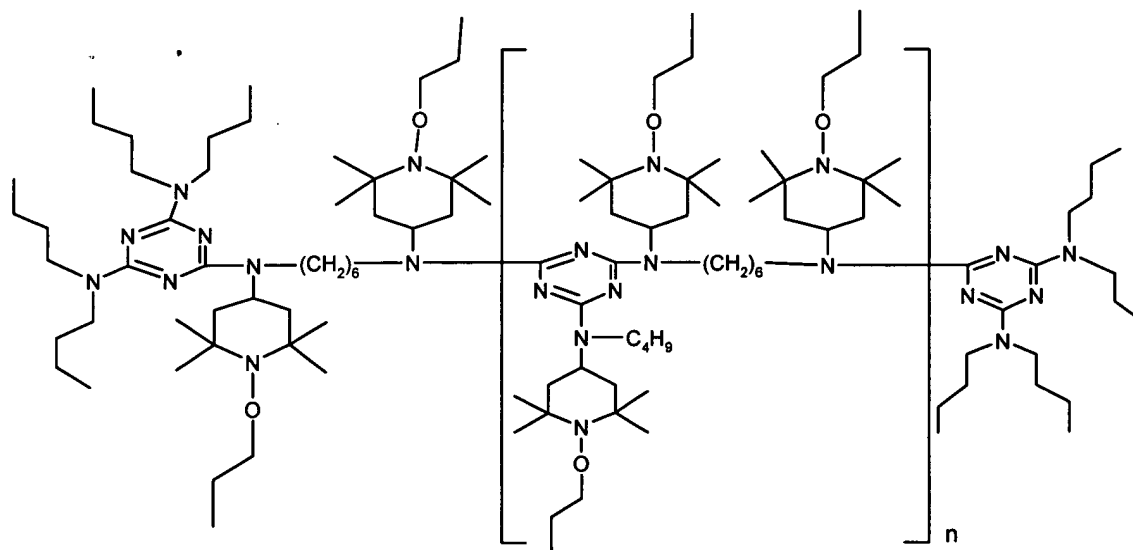
Y_{18} is alkylene having 2 to 10 carbon atoms or alkylene which has 4 to 20 carbon atoms and is interrupted once or several times by oxygen; and

in the compounds of the formula (IV) x is an integer from 1 to 3 and the substituents L independently of one another are hydrogen, alkyl, alkoxy or alkylthio having in each case 1 to 22 carbon atoms, phenoxy or phenylthio.

4. (original) A polymer composition according to claim 1 wherein the total amount of UV-absorber is from 0.005 to 5% based on the weight of the polymer.

5. (currently amended) A polymer composition according to claim 1 wherein the sterically hindered amine is selected from the group consisting of bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate, bis(2,2,6,6-tetramethyl-4-piperidyl)succinate, bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate, bis(1-octyloxy-2,2,6,6-tetramethyl-4-piperidyl)sebacate, bis(1,2,2,6,6-pentamethyl-4-piperidyl) n-butyl-3,5-di-tert-butyl-4-hydroxybenzylmalonate, the condensate of 1-(2-hydroxyethyl)-2,2,6,6-tetramethyl-4-hydroxypiperidine and succinic acid, linear or cyclic condensates of N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine and 4-tert-octylamino-2,6-dichloro-1,3,5-triazine, tris(2,2,6,6-tetramethyl-4-piperidyl)nitritotriacetate, tetrakis(2,2,6,6-tetramethyl-4-piperidyl)-1,2,3,4-butane-tetracarboxylate, 1,1'-(1,2-ethanediyl)-bis(3,3,5,5-tetramethylpiperazinone), 4-benzoyl-2,2,6,6-tetramethylpiperidine, 4-stearyloxy-2,2,6,6-tetramethylpiperidine, bis(1,2,2,6,6-pentamethylpiperidyl)-2-n-butyl-2-(2-hydroxy-3,5-di-tert-butylbenzyl)malonate, 3-n-octyl-7,7,9,9-tetramethyl-1,3,8-triazaspiro[4.5]decan-2,4-dione, bis(1-octyloxy-2,2,6,6-tetramethylpiperidyl)succinate, linear or cyclic condensates of N,N'-bis-(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine and 4-morpholino-2,6-dichloro-1,3,5-triazine, the condensate of 2-chloro-4,6-bis(4-n-butylamino-2,2,6,6-tetramethylpiperidyl)-1,3,5-triazine and 1,2-bis(3-aminopropylamino)ethane, the condensate of 2-chloro-4,6-di-(4-n-butylamino-1,2,2,6,6-pentamethylpiperidyl)-1,3,5-triazine and 1,2-bis-(3-aminopropylamino)ethane, 8-acetyl-3-dodecyl-7,7,9,9-tetramethyl-1,3,8-triazaspiro[4.5]decane-2,4-dione, 3-dodecyl-1-(2,2,6,6-tetramethyl-4-piperidyl)pyrrolidin-2,5-dione, 3-dodecyl-1-(1,2,2,6,6-pentamethyl-4-piperidyl)pyrrolidine-2,5-dione, a mixture of 4-hexadecyloxy- and 4-stearyloxy-2,2,6,6-tetramethylpiperidine, a condensation product of N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine and 4-cyclohexylamino-2,6-dichloro-1,3,5-triazine, a condensation product of 1,2-bis(3-aminopropylamino)ethane and 2,4,6-trichloro-1,3,5-triazine as well as 4-butylamino-2,2,6,6-tetramethylpiperidine (CAS Reg. No. [136504-96-6]); N-(2,2,6,6-tetramethyl-4-piperidyl)-n-dodecylsuccinimid, N-(1,2,2,6,6-pentamethyl-4-piperidyl)-n-dodecylsuccinimid, 2-undecyl-7,7,9,9-tetramethyl-1-oxa-3,8-diaza-4-oxo-spiro[4,5]decane, a reaction product of 7,7,9,9-tetramethyl-2-cycloundecyl-1-oxa-3,8-diaza-4-oxospiro [4,5]decane und epichlorohydrin, 1,1-bis(1,2,2,6,6-pentamethyl-4-piperidyloxycarbonyl)-2-(4-methoxyphenyl)ethene, N,N'-bis-formyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine, diester of 4-methoxy-methylene-malonic acid with 1,2,2,6,6-pentamethyl-4-hydroxypiperidine, poly[methylpropyl-3-oxy-4-(2,2,6,6-tetramethyl-4-piperidyl)]siloxane, and reaction product of maleic acid anhydride- α -olefin-copolymer with 2,2,6,6-

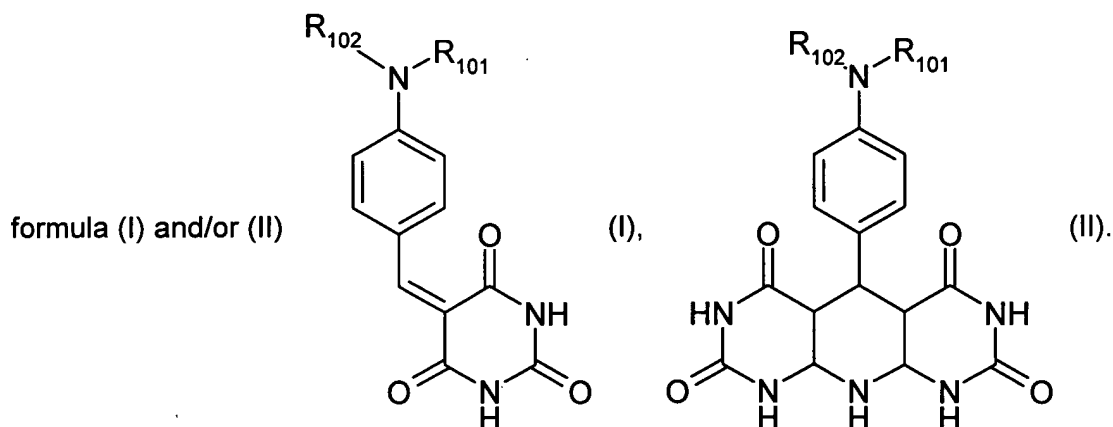
tetramethyl-4-aminopiperidine[[,]] or 1,2,2,6,6-pentamethyl-4-aminopiperidine and a compound



in which n is from 1 to 15.

6. (original) A polymer composition according to claim 1 wherein the sterically hindered amine compound is present in an amount of from 0.005 to 5 % by weight, based on the weight of the polymer.

7. (original) A polymer composition according to claim 1 wherein the condensation product is of



8. (original) A polymer composition according to claim 1 wherein R₁₀₁ and R₁₀₂ are methyl.

9. (original) A polymer composition according to claim 1 wherein the condensation product is present in an amount of from 0.005% to 10% by weight based on the weight of the thermoplastic polymer.

10. (original) A polymer composition according to claim 1 wherein the thermoplastic polymer is selected from the group consisting of a polyolefin, a polyester, a polyvinylalcohol, a polyvinylacetate and a polycarbonate.

11. (original) A polymer composition according to claim 1, which is in the form of a film with a thickness from 10 μ to 300 μ .

12. (currently amended) A polymer composition according to claim 11 wherein the film is a multilayer construction of between 2 and 7 polymer layers containing the condensation product, component b) and the components c1), c2) or c3) according to ~~claim 4~~ in at least 1 layer.

13. (currently amended) A polymer composition according to claim 1 containing an additional additive[[,]] selected from the group consisting of a phenolic antioxidant, a phosphite or phosphonite, a further fluorescent dye or pigment, a processing aid, a filler or reinforcing material and an antifog additive.

14. (original) A process for enhancing plant growth, comprising exposing a plant to actinic radiation behind or under a thermoplastic polymer composition according to claim 1.

15-16. (canc led)